

## Title (en)

Polyalkylmethacrylate plastisols with improved flow properties

## Title (de)

Polyalkylmethacrylat-Plastisole mit verbesserten Fließeigenschaften

## Title (fr)

Plastisols de méthacrylates d'alkyl à propriétés d'écoulement améliorées

## Publication

**EP 1041093 A3 20001206 (DE)**

## Application

**EP 00106179 A 20000321**

## Priority

DE 19914605 A 19990330

## Abstract (en)

[origin: EP1041093A2] An acrylic or styrene copolymer for use in the production of plastisols includes a hydrophilic hydroxy- or amino-substituted 1-4C alkyl (meth)acrylate as a monomer component. An acrylic or styrene copolymer for use in the production of plastisols is based on the following monomers (wt.%): (A) an acrylate with  $\geq 3C$  in the alkyl group and/or an alkyl methacrylate with  $\geq 2C$  in the alkyl group and/or styrene (0-90); (B) methyl(meth)acrylate or ethylacrylate (10-90); (C) hydrophilic, hydroxy- or amino-substituted 1-4C alkyl (meth)acrylate of formula (I) (1-20); (D) crosslinker(s) (0.01-1); and (E) other monomers (0-20).  $R_1 = H$  or  $Me$ ;  $R_2 = -(CH_2)_n$  - with this alkyl group optionally branched, being e.g. iso-propyl or iso-butyl;  $n = 1-4$ ;  $R_3 = OH, NH_2$  or  $-N(R_4)_2$ ; and  $R_4 = H, Me$  or  $Et$ .

## IPC 1-7

**C08F 220/12**

## IPC 8 full level

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## Citation (search report)

- [A] EP 0557944 A1 19930901 - TAKEDA CHEMICAL INDUSTRIES LTD [JP]
- [A] GB 698193 A 19531007 - ROEHM & HAAS GMBH
- [A] US 3361696 A 19680102 - BOLGIANO NICHOLAS C, et al

## Cited by

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